ABSTRACT OF THE DISCLOSURE

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To reduce the complexity of the correlation in a
correlation based tracking of a code modulated signal
received at a receiver, received samples and available
replica samples are aligned to each other and the
10 positions of the samples in the received signal and in
the replica code sequences are grouped, each group
comprising all positions at which the composition of the
values of the samples of all of the replica code
sequences is similar. The values of the received samples
15 which are associated to a respective group are combined
separately for each group to obtain a respective
intermediate result. Then, a correlation value is
determined for each replica code sequence by combining
the intermediate results obtained for all groups
20 separately for each replica code sequence, taking into
account the values of the samples of the replica
sequences in the respective group.